

20040122.qrp v03_n173.qrl.20040122

Date: Thu, 22 Jan 2004 19:03:05 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3173

QRP-L Digest 3173

Topics covered in this issue include:

- 1) [165999] OT: Feedline question
by ARDUJENSKI@aol.com
- 2) [166000] Fwd: RE: qrp rigs
by "W. Keith Hibbert" <wkhibbert@frontiernet.net>
- 3) [166001] re; ups, etc
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 4) [166002] FS or trade again
by "john gabbard" <johngabbard@usintouch.com>
- 5) [166003] RE: qrp rigs
by Adam Farson <farson@shaw.ca>
- 6) [166004] Re: OT: Feedline question
by "Dave Martin" <k2zu@seanet.com>
- 7) [166005] Re: Feedline question
by "john gabbard" <johngabbard@usintouch.com>
- 8) [166006] TiCK chip
by "w0oow" <w0oow@piperscreek.com>
- 9) [166007] Re: OT: Feedline question
by Curt Milton <wb8yyy@yahoo.com>
- 10) [166008] RE: [qrp-l] OT: Feedline question
by "Nick Kennedy" <wa5bdu@tcainet.net>
- 11) [166009] Re: KROU/fox
by Curt Milton <wb8yyy@yahoo.com>
- 12) [166010] WTB: Quad Boomless Spider + Spreaders
by "Alan Fryer" <N3BJ@hotmail.com>
- 13) [166011] Re: UPS - a warning
by "Mike Yetsko" <myetsko@insydesw.com>
- 14) [166012] Re: Need help with metric nuts
by "Mike Yetsko" <myetsko@insydesw.com>
- 15) [166013] RE: Need help with metric nuts
by "W. K. Harding" <k4ahk@ix.netcom.com>
- 16) [166014] NEQRP CW Net, Thursday, 22 Jan 04, 08:30 PM EST, 3.566 MHz
by Chuck Ludinsky <cludinsky@comcast.net>
- 17) [166015] Which way is Up - results
by Nelson Winter <thenels@go.com>
- 18) [166016] Re: Endfed antenna coupler question
by "Lee Hopper" <leehopp@msn.com>
- 19) [166017] Re: Feedline question

- by "tmyers" <tmyers@academicplanet.com>
- 20) [166018] Re: TiCK chip
by "John J. McDonough" <wb8rcr@arrl.net>
- 21) [166019] Re: [qrp-l] OT: Feedline question
by "George, W5YR" <w5yr@att.net>
- 22) [166020] Re: Which way is Up - results
by "PHILIP DECAIRE" <pedecaire@email.msn.com>
- 23) [166021] Performance of end-fed half-wave antennas
by Jason Buchanan <jsb@digistar.com>
- 24) [166022] Tenna Dipper Question
by "Thomas Lewis" <thomas_h_lewis@msn.com>
- 25) [166023] Re: How to QSL
by "Paul Valko - W8KC" <w8kc@comcast.net>
- 26) [166024] Light Weight Paddle
by "Brent Sutphin WB4X" <bsutphin@triad.rr.com>
- 27) [166025] Re: Performance of end-fed half-wave antennas
by "George, W5YR" <w5yr@att.net>
- 28) [166026] Help troubleshooting an R2 Pro
by "Edward Ringel" <eringel@adelphia.net>
- 29) [166027] Re: Terrific SMT protoboard
by "Rich Johnson" <rjohnson390@comcast.net>
- 30) [166028] Re: Help with Homebrew QRP Transmitter
by "James R. Duffey" <JamesDuffey@comcast.net>
- 31) [166029] Re: FOX: KR0U/fox
by Tim Groat <tcgroat@earthlink.net>
- 32) [166030] SOLD: Tek 465/DM44 oscscope, parted Tek 475 oscscope
by "Paul Ermisch" <paul@ermisch.com>
- 33) [166031] RE: OzarkCon 2004
by "J. Michael Thurman" <jmthurman@centurytel.net>
- 34) [166032] Re: Lew Pacely's Tenna Dipper Review
by Tom Severt <n2uhc@yahoo.com>
- 35) [166033] Re: KR0U/fox
by "W.D. (Doc) Lindsey" <dock0evz@earthlink.net>
- 36) [166034] RE: OzarkCon 2004
by "J. Michael Thurman" <jmthurman@centurytel.net>
- 37) [166035] RE: OzarkCon 2004
by Tom Severt <n2uhc@yahoo.com>
- 38) [166036] Re: Light Weight Paddle
by Dale Botkin <dale@botkin.org>
- 39) [166037] Re: Performance of end-fed half-wave antennas
by "Leon Heller" <leon_heller@hotmail.com>
- 40) [166038] Re: Light Weight Paddle
by "Rod N0RC" <rc7039-hr@yahoo.com>
- 41) [166039] RE: [qrp-l] Re: Help with Homebrew QRP Transmitter
by "Nick Kennedy" <wa5bdu@tcainternet.com>
- 42) [166040] Re: Terrific SMT protoboard
by "John J. McDonough" <wb8rcr@arrl.net>
- 43) [166041] Re: qrp rigs

by Bruce Muscolino <w6toy@erols.com>

44) [166042] [CONTEST] N2CQ QRP Contest Calendar Jan 24-31, 2004
by "Ken Newman" <n2cq@dandy.net>

45) [166043] Contest 1/17 & 1/18 ?
by "Paul J Mackanos, Jr." <paul@prohomeinspector.net>

46) [166044] Re: Light Weight Paddle
by "E. Roswell" <eroswell@monmouth.com>

47) [166045] ArkieCon moved to OzarkCon
by Chuck Carpenter <w5usj@9plus.net>

48) [166046] FS: Vibroplex Iambic Paddle
by "John" <johndorson@worldshare.net>

49) [166047] Re: Light Weight Paddle
by Lloyd Lachow <llachow@yahoo.com>

50) [166048] Re: Contest 1/17
by "Paul J Mackanos, Jr." <paul@prohomeinspector.net>

51) [166049] Ten-Tec Shortwave Receiver for sale
by Karl Heimbach <kheimbach@ev1.net>

52) [166050] Re: Light Weight Paddle [Micro Te-Ne-Key]
by Chuck Carpenter <w5usj@9plus.net>

53) [166051] Re: Contest 1/17
by "Bob Schreibmaier" <k3ph@ptd.net>

54) [166052] Re: Antenna Modelling Software Was: Performance of end-fed half-wave
antennas
by Alex <kr1st@amsat.org>

55) [166053] G4ZPY??
by ARDUJENSKI@aol.com

56) [166054] Re: Endfed antenna coupler question
by "Lew Paceley" <lew@paceley.com>

57) [166055] Iowa QRP Club CW Net
by Mark Milburn <mark.milburn@ispwest.com>

58) [166056] Ten-Tec 1253 Shortwave Receiver has been sold
by Karl Heimbach <kheimbach@ev1.net>

59) [166057] A Virus Is Afoot!
by "Chris Trask" <chistrask@earthlink.net>

60) [166058] Re: A Virus Is Afoot!
by "Bob Hightower" <rhightower@cox.net>

61) [166059] Park Fee permit canceled!! :)
by tjmc <tjmc@erols.com>

62) [166060] RE: Park Fee permit canceled!! :)
by "JBCrafts" <jbcraft@adelphia.net>

63) [166061] Flexible Screen Technology Ready To Roll
by Ed Tanton <n4xy@earthlink.net>

64) [166062] Re: A Virus Is Afoot!
by Bruce Muscolino <w6toy@erols.com>

65) [166063] Re: [Re: A Virus Is Afoot!]
by Michael Goins <mgoins@usa.net>

66) [166064] Re: Antenna Modelling Software Was: Performance of end-fed
half-waveantennas

by Bruce Muscolino <w6toy@erols.com>
67) [166065] Tenna Dipper Question #2 (ic sockets)
by "Paul Pike" <ve1dy@eudoramail.com>
68) [166066] OT: Need help finding a part...
by "Mike Yetzko" <myetzko@insydesw.com>
69) [166067] Re: Light Weight Paddle
by "Paul Pike" <ve1dy@eudoramail.com>
70) [166068] Re: Need help finding a part...
by "Leon Heller" <leon_heller@hotmail.com>

Date: Wed, 21 Jan 2004 18:56:40 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [165999] OT: Feedline question
Message-ID: <1e7.17d91cff.2d406bb8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I was wondering if running a doublet with balanced feedline can I attach directly to a short section of coax to feed into the house and insert a W2DU current balun to keep RF out of the shack. Coax would be about 8 ft. I was looking at the fact they do that with G5RV why not a regular doublet?

thanks

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Wed, 21 Jan 2004 18:56:20 -0500
From: "W. Keith Hibbert" <wkhibbert@frontiernet.net>
To: qrp-l@lehigh.edu
Subject: [166000] Fwd: RE: qrp rigs
Message-ID: <5.1.0.14.0.20040121185301.009f00b0@pop3.frontiernet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Part 95, the CB rules falls under the Land Mobile category. It's not a hobby service supposedly, but a business/personal radio service like the GMRS UHF channels (which are quickly becoming a UHF CB hobby band!)

73, Keith, WB2VU0, Trustee of the NQ2RP/B 10-Meter Beacon

28.2873 MHz on Your Radio Dial - 24/7

>Delivered-to: wkhibbert@frontiernet.net
>Date: Wed, 21 Jan 2004 18:24:28 -0500
>Reply-To: jbcraft@adelphia.net
>Sender: owner-qrp-1@Lehigh.EDU
>From: "JBCrafts" <jbcraft@adelphia.net>
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: RE: qrp rigs

<snip>

>Technically, the USA is in the same violation over 27MHz CB (the morse
>requirement on HOBBY services below 30MHz).

<snip>

>Bob K8YS

Date: Wed, 21 Jan 2004 19:03:06 -0500
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [166001] re; ups, etc
Message-ID: <000c01c3e07b\$1cd18c00\$9e3eca44@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think everyone has horror stories about shipping via any mode!!! I once shipped an amp. to a friend , via our wonderful USPS. It was heavily damaged, looked like it had been dropped in the river, and then dropped off a ten story building, and guess what!!! our friends in the business said it wasn't their fault and wouldn't pay the insurance on it: (insured for (I think 600 bucks). !! AND, I've had the same experience with UPS!!!!

SO, is there any SAFE mode?? I doubt it!!!

Just one ham's experience!!!!

carl / kz5ca

Date: Wed, 21 Jan 2004 16:16:49 -0800
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [166002] FS or trade again
Message-ID: <002601c3e07d\$07ec3400\$8e811c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Buyer folded! I have a (1945)Vibroplex original Bug for sale, it has the bug tamer attachment to slow it down.The bug is in excellent condition,no chips and chrome is in good condition. I would like \$150.plus S&H,ins.

I will also trade it for a broken HF radio or unbuilt xcvr kit of equal value. Watcha got???

Thanks, John KF7OM 73's

Date: Wed, 21 Jan 2004 16:16:32 -0800
From: Adam Farson <farson@shaw.ca>
To: jbcraft@adelphia.net
Cc: Low Power Amateur Radio Discussion <qrp-1@LEHIGH.EDU>
Subject: [166003] RE: qrp rigs
Message-ID: <COEHICILCFODCAILDEBKKEGNDIAA.farson@shaw.ca>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hi Bob,

Inclusion of CB in this category is not quite correct; S.25.5 applied specifically to the amateur bands below 30 MHz. As I recall, the ITU-R Radio Regulations do not separately identify non-amateur personal radio services authorised for national use by individual Administrations. These fall under the regulations applying to the Fixed and Mobile radio services. There are no non-amateur "hobby" service designators as such in the ITU database.

The 26.175 ~ 27.500 MHz range is not an amateur band; the international table of frequency allocations shows it as allocated to Fixed and Mobile services (except aeronautical) and ISM (industrial, scientific and medical). The 27.5 ~ 28 MHz band is allocated to Fixed and Mobile, and meteorological aids (radiosondes; a neat QRP application!) The 28.000 ~ 29.700 MHz band is designated as Amateur and Amateur-Satellite.

The Japanese domestic version of a given HF transceiver has some differences

in transmit band coverage (mainly on 160, 80 and 40m) and power output (for example, a 100W-class radio will only put out 50W on 10m). Here is an example - the Japanese domestic IC-703:

<http://www.qsl.net/ab4oj/icom/ic703/ic703.html>

I am not sure whether these variants are reconfigurable to cover US/Canadian allocations. I certainly had no problem reprogramming my Yaesu Quadra amplifier from "US" to "international". In a brief conversation with a sales rep at a dealer in Akihabara during my stay in Tokyo in 1983, the rep indicated to me that whilst he would be glad to sell me the domestic version of a radio in which I was interested, I would be much better off with the US version. There is also a warranty issue involved; distributors outside Japan may not honour the domestic warranty.

Cheers for now, 73,
Adam VA7OJ/AB4OJ

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of JBCrafts

Sent: Wednesday, January 21, 2004 15:24

To: Low Power Amateur Radio Discussion

Subject: RE: qrp rigs

VA7OJ said:

The Japanese radio regulatory service originally authorised the 10W licence class to allow no-code hams access to the HF bands. Technically, this was in breach of ITU-R Regulation S.25.5, but Japan's argument was that 10W would not cause significant harmful interference to distant stations."

Technically, the USA is in the same violation over 27MHz CB (the morse requirement on HOBBY services below 30MHz).

I understand there is a big technical difference between "export" and Japanese "novice" rigs... I have been told that Japanese QRP (domestic sales) cannot be modified for out of band... no clipping D104. And to indication that is a domestic sales radio is a triangle with a J in the middle on the ID plate.

Bob K8YS

Date: Wed, 21 Jan 2004 16:45:55 -0800
From: "Dave Martin" <k2zu@seanet.com>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [166004] Re: OT: Feedline question
Message-ID: <000301c3e081\$19102f80\$118c2640@davemartin>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That is exactly how I do it Alan.
Dave K2ZU

Date: Wed, 21 Jan 2004 16:32:52 -0800
From: "john gabbard" <johngabbard@usintouch.com>
To: <ARDUJENSKI@aol.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [166005] Re: Feedline question
Message-ID: <002c01c3e07f\$45dd5f30\$8e811c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Have you considered using 2 coax lines? at the coupler, you ground both shields, then attach each inner conductor to the output of the coupler. At the Antenna, connect only the inner conductors and trim off the shields. Forget the lossy balun. Coax can be Mini 8 or RG 58 taped together at intervals.

I have used this method of running the feed lines underground to loop antennas with no problems. It might be worth a try. Good Luck, 73's John KF7OM

----- Original Message -----

From: <ARDUJENSKI@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, January 21, 2004 3:56 PM
Subject: OT: Feedline question

> I was wondering if running a doublet with balanced feedline can I attach
> directly to a short section of coax to feed into the house and insert a

W2DU

> current balun to keep RF out of the shack. Coax would be about 8 ft. I was
looking
> at the fact they do that with G5RV why not a regular doublet?
>
> thanks
>
>
> Alan KB7MBI in Woodinville, WA
> FISTS 5702 / ARS / Proud member of ARRL
> --- --- --- --- DIT DIT
>
>

Date: Wed, 21 Jan 2004 18:39:59 -0600
From: "w0oow" <w0oow@piperscreek.com>
To: <qrp-l@Lehigh.EDU>
Subject: [166006] TiCK chip
Message-ID: <014801c3e080\$44ab0440\$6401a8c0@net.alltel.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone have the specs for the TiCK chip? Know where to find them? As
I understand it, there is more than one version. I was wondering what
version kept the keyer speed and what the supply voltage is.
Thanks,
Steve

Date: Wed, 21 Jan 2004 16:47:53 -0800 (PST)
From: Curt Milton <wb8yyy@yahoo.com>
To: ARDUJENSKI@aol.com,
 Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [166007] Re: OT: Feedline question
Message-ID: <20040122004753.20605.qmail@web60809.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Alan - this is not OT at all!

to answer your question, it depends at what frequencies the 8 foot section looks like a transmission line - at which frequencies it is so short it can be treated like a piece of wire. e.g. at low frequencies the coax will not look like its there, but at high frequencies it will make its presence known!

a bigger issue is what you will do to match to the whole thing. an antenna fed with ladder line typically goes to a 4:1 balun and into a tuner. if your 8 foot run goes direct to a 4:1 balun (i dont recommend 1:1 balun here), and the run from balun to tuner is very very short (like 1 foot or less), this arrangement might work pretty well on 80, 40 and 30 meters. at the high end it will start being hard to tune, the the 8 foot coax will start looking more like an antenna and less like a transmission line.

practically, i got my ladder line coming thru the window and it closes and locks. and it goes straight to my tuner with its internal balun.

the reason G5RV works is because of the math relationships of the antenna and the ladderline, before it hooks up to the coax. it just isn't a random length of ladder line. there is a tool called a smith chart that can precisely work this kind of problem if you have sufficient details about the ladder line and coax. but you have to solve this problem for each band you work on! which is why most of us keep things simple.

if you must use this arrangement, it may tune up and operate fine on the lower bands since the length of the coax is so short. where it starts to approach an eighth wavelength (electrically taking into account approx. 67% velocity factor of coax) is where this will be less than ideal or troublesome. i don't have time to work exact math, but this answer may satisfy you.

curt wb8yyy

--- ARDUJENSKI@aol.com wrote:

> I was wondering if running a doublet with balanced
> feedline can I attach
> directly to a short section of coax to feed into the
> house and insert a W2DU

> current balun to keep RF out of the shack. Coax
> would be about 8 ft. I was looking
> at the fact they do that with G5RV why not a regular
> doublet?
>
> thanks
>
>
> Alan KB7MBI in Woodinville, WA
> FISTS 5702 / ARS / Proud member of ARRL
> --- --- --- --- DIT DIT

Do you Yahoo!?
Yahoo! Hotjobs: Enter the "Signing Bonus" Sweepstakes
<http://hotjobs.sweepstakes.yahoo.com/signingbonus>

Date: Wed, 21 Jan 2004 18:50:28 -0600
From: "Nick Kennedy" <wa5bdu@tcainternet.com>
To: <ARDUJENSKI@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [166008] RE: [qrp-l] OT: Feedline question
Message-ID: <000b01c3e081\$baff6a90\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

I did that after originally putting up my 180 ft dipole fed with ladder line but before buying my Matchbox.

I made a direct transition to coax and put a choke (multiple bead) balun on it. I let the ATU in my big rig do the tuning. Worked just great.

Since you're not running with line matched line anyway, you really don't have anything to lose in the transition to a different type & Zo of cable. Except that coax has higher loss, but you're addressing that by keeping the coax section short.

Go for it ...

72--Nick, WA5BDU

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf
Of ARDUJENSKI@aol.com

I was wondering if running a doublet with balanced feedline can I attach
directly to a short section of coax to feed into the house and insert a
W2DU
current balun to keep RF out of the shack. Coax would be about 8 ft. I
was looking
at the fact they do that with G5RV why not a regular doublet?

thanks

Alan KB7MBI in Woodinville, WA

Date: Wed, 21 Jan 2004 16:57:41 -0800 (PST)
From: Curt Milton <wb8yyy@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [166009] Re: KR0U/fox
Message-ID: <20040122005741.17427.qmail@web60805.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

yes i heard him too, way above the pile-up. at least
the operator was honest! as we don't own the freq i
guess we got to work them, and to ask them to qrp
wastes time. of course my neighbor with his big loop
sounds like 80w compared to my low dipole! as i
almost gave up for nite after more than a half hour, i
qsy'ed to other fox, quickly worked him to my
surprise, then came back and got second fox on first
try. don't give up if you can hear the fox (but take
a break and come back a little later)!

curt wb8yyy
no great foxhunter!

--- Garie Halstead K8KFJ <khyberpass65@yahoo.com>
wrote:
> Hey Tim...
>
> Nice of N7.. in Nevada to stop by with his 800w
> (0230z). HI Heard you

> ask Josh for his pwr (caught me off guard too .. did
> he actually say
> 800w?). Oh well.
>
> 72, Gary -K8KFJ-
>
>
> -----
> Do you Yahoo!?
> Yahoo! Hotjobs: Enter the "Signing Bonus"
> Sweepstakes
> <http://hotjobs.sweepstakes.yahoo.com/signingbonus>

Do you Yahoo!?
Yahoo! Hotjobs: Enter the "Signing Bonus" Sweepstakes
<http://hotjobs.sweepstakes.yahoo.com/signingbonus>

Date: Wed, 21 Jan 2004 19:59:41 -0500
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [166010] WTB: Quad Boomless Spider + Spreaders
Message-ID: <Law9-0E29cU0rkxxXxo00013137@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone on the list have a boomless spider or Gem Quad speaders ? Might be interested in other quad spreaders or hardware, too. Within 200 miles of Roanoke, VA would be great !

Alan, N3BJ
Bent Mountain, VA

Date: Wed, 21 Jan 2004 19:58:33 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <dafouchey@COMCAST.NET>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [166011] Re: UPS - a warning
Message-ID: <008901c3e082\$e03759c0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK, ok, I'll be 100% honest... They didn't totally loose my order over the holidays. They crushed the box, and it was broken open. So they took a box about the size of a computer manual (the small ones that fit into the 'drawer' type box like the IBM DOS 3.3 manual set) and put it in a clear plastic bag the size of a 35 gallon trash bag.

Then they left this big bag at my 'garage door' according to the tracing. Even though I was home that day. And it was one of the windiest days of the month. When I realized the parts were overdue, I started the trace, saw the 'garage door' delivery, and walked in the trees out back of the house. I found the bag frozen into a small pond of water.

Well, DigiKey reshipped, but again regular shipping, and I had to hold the smelly box (when it thawed) for UPS to examine, which after 3 days they figured it wasn't work the effort (for \$11 of parts) and told me to just chuck it. (I should have made them pick it up..)

Mike

> After UPS Scragged my wife's 28 year old Martin D28 Guitar I have been
> leery of using them to ship anything fragile...
> I will stick with shipping by other carriers and when sending things to
> Canada I use regular Parcel Post.
>
> 73's
> Dave
> WA4EMR
> At 04:21 PM 01/21/2004, Mike Yetsko wrote:
>
>
> > I've never had UPS, FedEx or Airborne/DHL damage to a package.
> > >
> > > 73 de Lee
> > > km4yy/8
> >
> >WOW!! UPS lost my T-238. And just over the holidays they
> >lost my parts order from DigiKey. I had to have it reshipped.
>
>

Date: Wed, 21 Jan 2004 19:50:18 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Doug Hendricks" <ki6ds@dpol.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [166012] Re: Need help with metric nuts
Message-ID: <008401c3e082\$90b299a0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Guys, can anyone tell me where I can buy a M5 jamnut with a fine .5
pitch
> thread? Thanks, Doug
>

My local hardware store (NOT the big megachain) has a whole section
of metric...

Check out the little guys.

Date: Wed, 21 Jan 2004 20:15:10 -0500
From: "W. K. Harding" <k4ahk@ix.netcom.com>
To: "Doug Hendricks" <ki6ds@dpol.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [166013] RE: Need help with metric nuts
Message-ID: <410-22004142211510546@ix.netcom.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

McMaster-Carr has just about any hardware available along with sheet metal
and plastics.

<http://www.mcmaster.com>

Bill - K4AHK

> [Original Message]
> From: Doug Hendricks <ki6ds@dpol.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Date: 1/21/2004 5:36:16 PM
> Subject: Need help with metric nuts
>

> Guys, can anyone tell me where I can buy a M5 jamnut with a fine .5 pitch
> thread? Thanks, Doug

Date: Wed, 21 Jan 2004 20:24:16 -0500
From: Chuck Ludinsky <cludinsky@comcast.net>
To: neqrp@jona1.net, qrp-1@lehigh.edu
Subject: [166014] NEQRP CW Net, Thursday, 22 Jan 04, 08:30 PM EST, 3.566 MHz
Message-ID: <400F2640.8010005@comcast.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on
Thursday, 22 January 2004, at 8:30 PM EST (01:30Z, 23 Jan 04) on or near
3.566 MHz. All hams are welcome. Net control operator this week will be
Chuck, K1CL, operating from Chelmsford, MA.

Net op last week was John, WB1HBE, also operating from Chelmsford, MA.
John reported a total of five participants in the net:

WA8BXN	Mike	nr Cleveland, OH	559-599/QSB
AJ1J	Joe	Newton MA	589
W2SH	Charles	Millington NJ	589
K1YW	Greg	Leominster, MA	359
WB1HBE	John	Chelmsford, MA	Net Op

"A difficult net with bad condx but fun no less, and thought I might have heard Ed
AB8DF out there but did not copy a come back."

Thanks to everyone for checking in, and hope to hear you all this week.

72 DE K1CL,

Chuck

Date: Wed, 21 Jan 2004 17:26:44 -0800 (PST)
From: Nelson Winter <thenels@go.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [166015] Which way is Up - results

Message-ID: <3738070.1074734804117.JavaMail.thenels@gomailjtp01>
Mime-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 7bit

Thanks to the group for all of the on-line and off-line responses. The collective opinion could not make up its mind on this one. Half of you say there's no difference, the other half say that because I feed the antenna with coax (no balun of any kind) that the downward (shield) leg is actually a counterpoise on a 45 deg vertical.

I'll experiment with it some more and report the results.

Nelson Winter
WB6DWD
Less = More
<http://www.qsl.net/wb6dwd/>
RM-40/30/20
QRP-L #2482

Check-out GO.com
GO get your free GO E-Mail account with expanded storage of 6 MB!
<http://mail.go.com>

Date: Wed, 21 Jan 2004 17:26:45 -0800
From: "Lee Hopper" <leehopp@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: "Lew Paceley" <lew@paceley.com>
Subject: [166016] Re: Endfed antenna coupler question
Message-ID: <BAY4-DAV1070DK7HyVC00015dd3@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Thanks, Lew - just what I needed - a start in the right direction and some theory to learn on.

73 -

Lee H, NB7F

Lew Paceley wrote:

> ...To substitute cores you have a couple constraints to meet...

Date: Wed, 21 Jan 2004 19:37:25 -0600
From: "tmyers" <tmyers@academicplanet.com>
To: <ARDUJENSKI@aol.com>
Cc: "QRP-L Post" <qrp-l@lehigh.edu>
Subject: [166017] Re: Feedline question
Message-ID: <00c801c3e088\$4b482820\$1700a8c0@newkid>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alan:

That is the way I do it. I even use it with the QRO rig 100W. I use the Wireman as the source of the beads. If you are going to do 160M use 100 beads rather than the recommended 50. I have some I keep around for use in the field. They are built to work as connector adapters as well. BNC to ????. I have also found that putting the beads inside a piece of clear vinyl hose helps to keep them from getting broken. The vinyl tubing also makes it easier to get them on the coax. First put the beads inside the hose and then feed the coax through, but you will have to use a little moisture and a dowel rod to push them a bit. You don't need the high dollar Teflon coax either, but you do need to use the Belden RG-58 with the stranded center conductor (don't remember the number and mine are covered up now, but the HB says RG-303 which is 0.170" OD). It is just a tad smaller than regular RG-58 and that is necessary as regular RG-58 will not fit inside the beads.

73

Terry, KQ5U
Spring, Texas

----- Original Message -----

From: <ARDUJENSKI@aol.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, January 21, 2004 17:56
Subject: OT: Feedline question

> I was wondering if running a doublet with balanced feedline can I
attach
> directly to a short section of coax to feed into the house and insert
a W2DU
> current balun to keep RF out of the shack. Coax would be about 8 ft. I

was looking
> at the fact they do that with G5RV why not a regular doublet?
>
> thanks
>
>
> Alan KB7MBI in Woodinville, WA
> FISTS 5702 / ARS / Proud member of ARRL
> ___ ___ ___ ___ DIT DIT

Date: Wed, 21 Jan 2004 20:37:59 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: <w0oow@piperscreek.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [166018] Re: TiCK chip
Message-ID: <014801c3e088\$5e3b1410\$090044c0@BrianBoru>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The TiCK 4 has non volatile RAM to store the settings.

I believe the supply voltage is 3-5 on all the parts, so you can use a 3 volt coin cell. It seems to me that the 4 is more hungry than the 1 or 2, however. I have one of those little Whiterook keyers, and when I had the TiCK 2 in it, it would go years on one battery. With the 4 it seems like I'm always replacing the battery.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "w0oow" <w0oow@piperscreek.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, January 21, 2004 7:39 PM
Subject: TiCK chip

> Does anyone have the specs for the TiCK chip? Know where to find them?
As
> I understand it, there is more than one version. I was wondering what
> version kept the keyer speed and what the supply voltage is.
> Thanks,
> Steve

>
>

Date: Wed, 21 Jan 2004 20:03:23 -0600
From: "George, W5YR" <w5yr@att.net>
To: <nkennedy@tcainternet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [166019] Re: [qrp-1] OT: Feedline question
Message-ID: <028001c3e08c\$2213ebc0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alan and Nick,

I have three wire antennas fed with ladderline which transition to RG-8X coax into the shack via bead baluns. The coax is 4.5 ft long and as Nick points out, the SWR in the coax can be quite high on some bands so you want to keep the length as short as you can. If running QR0, the coax should be RG-213 to handle voltage and current peaks arising from standing waves.

I find this arrangement much better than using the internal baluns in the MFJ 989C tuners.

73, George W5YR
w5yr@att.net

----- Original Message -----

From: "Nick Kennedy" <wa5bdu@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, January 21, 2004 6:50 PM
Subject: RE: [qrp-1] OT: Feedline question

> I did that after originally putting up my 180 ft dipole fed with ladder
> line but before buying my Matchbox.
>
> I made a direct transition to coax and put a choke (multiple bead) balun
> on it. I let the ATU in my big rig do the tuning. Worked just great.
>
> Since you're not running with line matched line anyway, you really don't
> have anything to lose in the transition to a different type & Zo of

> cable. Except that coax has higher loss, but you're addressing that by
> keeping the coax section short.
>
> Go for it ...
>
> 72--Nick, WA5BDU

Date: Wed, 21 Jan 2004 18:19:47 -0800
From: "PHILIP DECAIRE" <pedecaire@email.msn.com>
To: <qrp-1@Lehigh.EDU>
Subject: [166020] Re: Which way is Up - results
Message-ID: <002f01c3e08e\$359d3960\$9f562a43@grape>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Interesting thing how sometimes we give names the power to
change things.

We could call the side of the dipole the shield is connected
to a "counterpoise" but that doesn't change the functioning.
RF currents flow on it. Standing waves of voltage and
current develop on it, according to the length. The end of
the wire will have a very high RF voltage on it, just like
the end of an antenna element. RF currents flowing in a
conductor result in radiation of the antenna kind, and thus
the "counterpoise" will radiate ... just like an antenna.
Because it is an antenna, of course.

In some cases the counterpoise won't be arranged up in the
air in a straight line where its radiation has the best
chance to reach someone's ears. But it can still perform
its job as a place for RF current to flow, so that the same
current can flow in the (intended) active element. Whether
or not its radiation is useful is usually (but not always) a
side issue when we call it a counterpoise. Most of us
wouldn't take half a dipole and run it around the baseboards
of our shack, right? Unless we have to, that is, and many
of us are forced to compromise on our antennas.

A more interesting phenomenon is what I'll call the "1/4
wave effect". When any combination of conductors (often
stated as 1/2 the antenna assuming a dipole plus the
feedline length = an odd multiple of 1/4 wave) is 1/4 wave

or an odd multiple thereof, it looks like an RF short circuit and so it hogs current. Its possible to have an antenna where all the current flow is in a resonant branch and the feedline current is very unbalanced. Something like that could possibly explain why swapping antenna ends would give you a noticeable difference in performance. In that case, a good choke balun should be able to stop that and give you the same results either way.

How can you tell if your feedline is unbalanced? Hold a field strength meter near it. If its radiating, you'll notice the signal go way up as the FSM approaches the line.

I know that there is a "science" of antennas, but in the day to day world I consider antennas more "art".

72's, Phil WB7AEI

Date: Wed, 21 Jan 2004 21:51:43 -0500
From: Jason Buchanan <jsb@digistar.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [166021] Performance of end-fed half-wave antennas
Message-ID: <400F3ABF.6010306@Digistar.COM>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Does anyone have any facts and figures on the performance of end-fed halfwave antennas when used at or at multiple (harmonics of) wavelengths for a given band? Asked another way, does anyone have any statistics that show the performance of operating on the 20m band with an 80m end-fed halfwave antenna vs. operating 20m on a 40m EFHWA?

I'm trying to get an idea of the performance when running 20m on a piece of wire 133 feet long vs. a 67 foot long wire, and if possible how they compare to running 20m on a native-length 33 foot long piece of wire.

I'm curious to know if there is any benefit to having an end-fed half-wave antenna cut specifically for 20 meters vs one cut for 40 or 80 meters. Is there any gain attributed to the 133 feet long antenna for 20 meters operation or is there just simple loss.

Date: Wed, 21 Jan 2004 22:06:00 -0500
From: "Thomas Lewis" <thomas_h_lewis@msn.com>
To: qrp-1@Lehigh.EDU
Subject: [166022] Tenna Dipper Question
Message-ID: <BAY5-F10Jbsp8vXJYC900009e3e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Re: the winding of T1

Steve spends some effort describing the installation of T-1 after it is wound...align at 90 deg., solder, and twist. If you look at the side view of T-1 on the Parts Placement Diagram, this instruction is correct.

My question is: looking at the side view, if I started the first secondary winding on the left from the back and brought it forward and continued winding, the wires would line up properly without twisting.

I'm just trying to make a neater job. I need to know if the direction of winding primary vs. secondary makes a difference.

Thanks

Tom K4THL

Learn how to choose, serve, and enjoy wine at Wine @ MSN.
<http://wine.msn.com/>

Date: Wed, 21 Jan 2004 22:09:36 -0500
From: "Paul Valko - W8KC" <w8kc@comcast.net>
To: <kwike@gdls.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [166023] Re: How to QSL
Message-ID: <003101c3e095\$2b4dbe10\$6901a8c0@hamshack1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Neil lived here in north-metro Detroit for the past few years. If you'd hung out on the QRP-friendly USECA repeater (147.18), he'd have known you by name without looking you up :-) !!!

He QSL's 100% with an SASE. It's a first-class US postage stamp both ways. So, what's that... 37, 38 cents? I can't keep track they jack up the rate every few months.

No stateside QSL manager, yet.

73! =paul= W8KC

Collector of Ten*Tecs and other fine plastics.

Visit the Virtual Ten*Tec Museum at <http://mywebpages.comcast.net/w8kc>

----- Original Message -----

From: <kwike@gdls.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, January 20, 2004 4:31 PM

Subject: How to QSL

> I had the day off yesterday and I was on 15
> meters around 2230Z. I hear V73NS working a pile-up.

> An interesting story but not the reason for my question. Before he QRTs
> for the night he sends QSL via QRZ.com. So I look it up:

>

> Neil Schwanitz

> Box 8341

> APO, AP 96557

> USA

>

> So my question is this. Do I just use this address as is and slap a
normal

> 37 cent stamp on it? Or do I do the Bureau? Or do it do something else?

>

> Ed

> AB8DF

> Waterford, MI

>

Date: Wed, 21 Jan 2004 22:18:27 -0500

From: "Brent Sutphin WB4X" <bsutphin@triad.rr.com>

To: <qrp-1@Lehigh.EDU>

Subject: [166024] Light Weight Paddle

Message-ID: <000501c3e096\$66f7fbf0\$9e6d1f18@BandE>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am interested in finding a light weight paddle to use in the Spartan Sprints. I am trying to put together a station for the Skinny Division. Even though I have some small stuff, I am finding out how difficult it is to stay skinny. Going by last months results, looks like I will need to try and get down to around 1/2 pound total weight for the station. This is not going to be easy. Any help or suggestions very much appreciated.

Thanks
Brent WB4X

Date: Wed, 21 Jan 2004 21:34:30 -0600
From: "George, W5YR" <w5yr@att.net>
To: <jsb@digistar.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [166025] Re: Performance of end-fed half-wave antennas
Message-ID: <039701c3e098\$a60f57a0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jason, contact Roy Lewallen W7EL - he advertises in QST - and download a free demo copy of EZNEC 3.0. With that program you can find the answer to all your questions. Not trying to avoid helping you, but there is a lot more to coming up with the answers you are looking for than just knowing the lengths of the wires.

73, George W5YR
w5yr@att.net

----- Original Message -----
From: "Jason Buchanan" <jsb@digistar.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, January 21, 2004 8:51 PM
Subject: Performance of end-fed half-wave antennas

>

> Does anyone have any facts and figures on the performance of end-fed
> halfwave antennas when used at or at multiple (harmonics of) wavelengths
> for a given band? Asked another way, does anyone have any statistics
> that show the performance of operating on the 20m band with an 80m
> end-fed halfwave antenna vs. operating 20m on a 40m EFHWA?
>
> I'm trying to get an idea of the performance when running 20m on a piece
> of wire 133 feet long vs. a 67 foot long wire, and if possible how they
> compare to running 20m on a native-length 33 foot long piece of wire.
>
>
> I'm curious to know if there is any benefit to having an end-fed
> half-wave antenna cut specifically for 20 meters vs one cut for 40 or 80
> meters. Is there any gain attributed to the 133 feet long antenna for
> 20 meters operation or is there just simple loss.
>

Date: Wed, 21 Jan 2004 23:09:30 -0500
From: "Edward Ringel" <eringel@adelphia.net>
To: <qrp-l@lehigh.edu>
Subject: [166026] Help troubleshooting an R2 Pro
Message-ID: <000a01c3e09d\$88b49850\$6601a8c0@EdsPC>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi all,

I=92m new to the list. Enjoy building and kitting. After successfully building a K2/100 and accoutrements, I decided to tackle some harder projects, but I am getting hung up. I have built but been unsuccessful at using an R2 Pro. The LNA (for 20 meters) works fine, as does the UVF0. I am pretty sure that the downconverter board is also OK (I have used each separate phase limb as a direct conversion receiver without phasing and it seems to pick up a signal.) Amplifier and SSB filter are definitely OK. I have my doubts about the phasing board. Symptoms of the R2 Pro seem to be that the thing is having trouble hearing. It takes a huge signal or an RF test oscillator signal to get anything out the audio end. I have checked and rechecked connections, joints, correct values, etc. Does anyone have any basic tips or does anyone have any basic idea of what signals should look like on a =91scope, or what DC voltages should be seen at the 5532=92s?=A0 Thanks much.

=A0

73 Ed AA1WZ

Date: Wed, 21 Jan 2004 20:14:56 -0800
From: "Rich Johnson" <rjohnson390@comcast.net>
To: <n4xy@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [166027] Re: Terrific SMT protoboard
Message-ID: <003001c3e09e\$4b69def0\$2605ab43@END0EB86CD98A1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Do you know if the board can handle the AD9850?

cheers,
rich

----- Original Message -----

From: "Ed Tanton" <n4xy@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, January 21, 2004 12:04 PM
Subject: Terrific SMT protoboard

> I'm slowly putting together a magazine article about SMT resources. Last
> week I did an ebay "Buy-It-Now" for a single protoboard pcb by a company
> named OnePas <<http://www.onepasinc.com/>>. The primary feature of THIS
> breadboard is its triple-use capability for SMT ICs, SMT transistors &
> components, and regular leaded components-all on the same board. It
> promptly came in today and I'm very impressed. Size is 4.875 x 2.75
inches.
> Quality is excellent. Potential for use is terrific. It does not have a
> ground plane, but as specialized as that is for most applications, I
> hesitated about mentioning it. They have both ebay and straight website
> sales. Price for one was \$8.95 w/\$2.00 postage. Their description of the
> board appears below. OUTSTANDING!!!
>
>
> Introducing the OP1560B ONE PASSircuit™ surface mount / through hole
> prototyping board from ONE PAS, INC. This board has all of the features of
> the Patented OP840B ONE PASSircuit™ through hole board plus surface mount
> locations for SOP, SOIC and our new Patent Pending ONE PASSOT23™
universal
> SOT23 mounting location that holds 3, 4, 5 and 6 pin devices.
>
> The revolutionary design of these boards allow faster, cleaner building of
> complex circuits in half the space and with less jumpers than any other

> prototyping system available. You can incorporate power supply, crystals &
> clocks, pots, RC and feedback networks and all of your discrete active
> devices on the same board without any loss of IC space. This board
contains
> a system of offset traces that allow signals to flow through placements of
> other parts thus removing the need for jumpers in many cases. It further
> creates a Patented four pin socket array that can be used for mounting 3
> pin devices that can be turned 360 degrees to avoid crossing signals. Some
> of these sockets have one connection on the power bus allowing direct
power
> connection for switching devices, removing even more jumpers.
>
> The new ONE PASSOT23TM is a unique eight pad location that is placed
inside
> the four pin sockets with additional traces offset and running between the
> existing traces. This allows placement of SOT23-3, 4, 5 and 6 pin devices
> to also be turned 360 degrees giving surface mount the same functionality
> as through hole.
>
> In the IC area traces are spaced at 0.05" to allow surface mounting of
ICs.
> The elongated surface mount pads will hold SOP (thin frame) or SOIC (wide
> frame) devices. Every other pad has a through hole pad in it's center
> allowing 0.3" dip placement with a free trace running between each pin.
All
> of the traces are offset from each other and terminate in a continuous
> Patented four pin socket array allowing interconnection of signals using
> short jumpers between the IC pins. 0.6" ICs can be mounted in the through
> hole area just outside of the surface mount pads.
>
> Imagine, one small board that can hold 0.6" & 0.3" DIPs and SOP & SOIC
> surface mount and SOT23-3, 4, 5 & 6 pin and T092 & T0218 & T0220 and all
of
> your passive devices at the same time! But wait, it doesn't end there.
> There are also areas for single and dual row headers or RJ11 & RJ45
> connectors, four corner mounting holes for chassis mount and the board
fits
> in a standard 3" x 6" plastic project case available from Radio Shack.
>
> The OP1560B from ONE PAS, INC. is made of UL approved, fiberglass
> reinforced, dual sided, 1 oz. copper plated material. It is plated
through,
> solder masked and pre-tinned to aid soldering. These are professional
grade
> prototyping tools at hobby prices.
>
> More information about ONE PAS, INC. may be found by typing our name into
> any major search engine. Layout Templates in x2 expanded view are

available

> at our users group in the Files Section, sign up is free at our web site.

>

>

> 72/73 Ed Tanton N4XY <n4xy@earthlink.net>

>

> Ed Tanton N4XY

> 189 Pioneer Trail

> Marietta, GA 30068-3466

>

> website: <http://www.n4xy.com>

>

> All emails <IN> & <OUT> checked by

> Norton AntiVirus with AutoProtect

>

> LM: ARRL QCWA AMSAT & INDEXA;

> SEDXC NCDXA GACW QRP-ARCI

> OK-QRP QRP-L #758 K2 (FT) #00057

>

> -----

> "He that gives up a little liberty to gain

> temporary security will lose both and

> deserve neither".

> --Benjamin Franklin

>

> "Suppose you were an idiot ...

> and suppose you were a member of

> Congress... but I repeat myself."

> --Mark Twain

> -----

>

>

>

>

Date: Wed, 21 Jan 2004 21:20:18 -0700

From: "James R. Duffey" <JamesDuffey@comcast.net>

To: <steve.ghertner@ghertner.com>

Cc: QRP-L <qrp-l@lehigh.edu>

Subject: [166028] Re: Help with Homebrew QRP Transmitter

Message-ID: <BC349D91.114BD%JamesDuffey@comcast.net>

Mime-version: 1.0

Content-type: text/plain; charset="US-ASCII"

Content-transfer-encoding: 7bit

Steve - I didn't see any replies to your queries on your problems with the EMRFD QRP power amplifier, so I thought I would take a stab at it. I assume that this is the amplifier in Figure 1.35.

I would look at L2 to see if you have the right number of turns on it. A turn is one pass through the toroid. Everytime a wire goes through the center it counts as a turn, even though it doesn't go around the outside of the core. If there are too many turns on L2, the cutoff frequency will be low and reduced power will result. Verify the number of turns, or try removing a turn from L2 and see if it makes a difference. Using the wrong type of core might also give you a problem. I assume that you have a T50-6 as suggested.

The current drawn by the entire transmitter seems a bit high for the power you are getting out. If the power amplifier is 50% efficient, and it is drawing 260 mA, I would expect 1.5 W out or so. I wonder if RFC has too much DC resistance. If it is getting warm, it is probably too small. Replacing it with one that has a higher current rating should help. The RFC should probably be rated for 400 to 500 mA.

You aren't too far off, so the problem can't be too bad. I hope that this helps. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
Cedar Crest NM 87008 DM65

Date: Wed, 21 Jan 2004 21:22:32 -0700
From: Tim Groat <tcgroat@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [166029] Re: FOX: KR0U/fox
Message-ID: <5.1.1.6.2.20040121212048.00a3a620@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I thought I missed a "MW" at the end. Nope. No wonder he blasted through he pile!

72,
--Tim (KR0U)

>Garie Halstead K8KFJ <khyberpass65@yahoo.com>:
>
>Hey Tim...
>

>Nice of N7.. in Nevada to stop by with his 800w (0230z). HI Heard you
>ask Josh for his pwr (caught me off guard too .. did he actually say
>800w?). Oh well.

Date: Wed, 21 Jan 2004 21:40:33 -0700
From: "Paul Ermisch" <paul@ermisch.com>
To: "Qrp-List" <qrp-l@Lehigh.EDU>,
"Elecraft destination" <elecraft@mailman.qth.net>
Subject: [166030] SOLD: Tek 465/DM44 oscscope, parted Tek 475 oscscope
Message-ID: <NHBBIMAFPBCKANGJGAPDAEHFDAAA.paul@ermisch.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the interest in both items.

Paul NNOC

-----Original Message-----
From: elecraft-admin@mailman.qth.net
[mailto:elecraft-admin@mailman.qth.net]On Behalf Of Paul Ermisch
Sent: Wednesday, January 21, 2004 2:33 PM
To: Qrp-List; Elecraft destination
Subject: [Elecraft] FS: Tek 465/DM44 oscscope, parted Tek 475 oscscope

Clean and working Tektronix 465/DM44 scope. 2-channel, 100 mHz, digital multimeter. I'll throw in a couple of scope probes (not multimeter probes) although I'm not sure what spec they'll be.

\$225 + shipping/handling via money order or PayPal. My guess is that shipping/handling will run between \$30 and \$40.

Also have a parted Tek 475 (missing the volts/div module and CRT may not work). I'll take best-offer + shipping/handling on that.

Paul Ermisch NNOC

Elecraft mailing list: Elecraft@mailman.qth.net
You must be subscribed to post to the list.
To subscribe or unsubscribe see:
<http://mailman.qth.net/mailman/listinfo/elecraft>

Elecraft Web Page: <http://www.elecraft.com>
Also see: http://www.elecraft.com/elecraft_list_guidelines.htm

Date: Wed, 21 Jan 2004 23:26:49 -0600
From: "J. Michael Thurman" <jmthurman@centurytel.net>
To: <w8diz_qrpl_2@partsandkits.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [166031] RE: OzarkCon 2004
Message-ID: <LFEDLPKPGGKLEMOMICIBEEIHDAAA.jmthurman@centurytel.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hmmmm.... Maybe. Arkiecon is the weekend before. All my money will be long gone!!!!

73 & 00,
Michael
WN5T
FP#566

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
w8diz_qrpl_2
Sent: Wednesday, January 21, 2004 2:50 PM
To: Low Power Amateur Radio Discussion
Subject: OzarkCon 2004

Hi gang,

I just reserved a room at the Ramada Inn in Joplin, MO
for OzarkCon-2004 <http://www.ozarkcon.com/>
Both April 9th and 10th (Friday and Saturday nights)
Will be driving down from the Cincinnati area
if someone need a ride.
This looks like it's gonna be a fun time!!!

Any other Flying Pigs going to attend?
My room is a non-smoker with two double beds.
Looking for someone to share expenses.

Oh... I'll bring lots of round hard donuts and AVR DDS kits.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:67 FT Vertical Dipole <http://kitsandparts.com>

Date: Wed, 21 Jan 2004 21:35:56 -0800 (PST)
From: Tom Severt <n2uhc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [166032] Re: Lew Pacely's Tenna Dipper Review
Message-ID: <20040122053556.33718.qmail@web9609.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Doug Hendricks <ki6ds@dpol.net> wrote:
> Guy's check out Lew Pacely's review of the Tenna
> Dipper kit that he has put
> on his web page. It is an excellent read, and Lew
> has a couple of neat
> ideas on packaging the Tenna Dipper. The URL is:
>
> <http://www.paceley.com/>
>

There is also an article about the Tenna Dipper on
page 48 & 49 of the Feb 2004 WorldRadio.

=====
Tom Severt N2UHC
Frontenac, KS
<http://www.geocities.com/n2uhc>

Do you Yahoo!?
Yahoo! SiteBuilder - Free web site building tool. Try it!
<http://webhosting.yahoo.com/ps/sb/>

Date: Wed, 21 Jan 2004 23:44:58 -0600
From: "W.D. (Doc) Lindsey" <dock0evz@earthlink.net>
To: "Curt Milton" <wb8yyy@yahoo.com>,
"qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>

Subject: [166033] Re: KR0U/fox
Message-ID: <412004142254458642@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Curt:

Congrats on bagging both FOXes. Sure is a blast, something I enjoy even more than DXing. You brought up an excellent point: keep on trying. Several times I have listened to mostly white noise (and QRM) for the two hours.....when suddenly the FOX popped up long enough for a QSO. Again, kudoes for a great evening of FOXing.

73,
--Doc/K0EVZ

> [Original Message]
> From: Curt Milton <wb8yyy@yahoo.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Date: 1/21/2004 6:57:41 PM
> Subject: Re: KR0U/fox
>
> yes i heard him too, way above the pile-up. at least
> the operator was honest! as we don't own the freq i
> guess we got to work them, and to ask them to qrp
> wastes time. of course my neighbor with his big loop
> sounds like 80w compared to my low dipole! as i
> almost gave up for nite after more than a half hour, i
> qsy'ed to other fox, quickly worked him to my
> surprise, then came back and got second fox on first
> try. don't give up if you can hear the fox (but take
> a break and come back a little later)!
>
> curt wb8yyy
> no great foxhunter!
>
> --- Garie Halstead K8KFJ <khyberpass65@yahoo.com>
> wrote:
> > Hey Tim...
> >
> > Nice of N7.. in Nevada to stop by with his 800w
> > (0230z). HI Heard you
> > ask Josh for his pwr (caught me off guard too .. did
> > he actually say
> > 800w?). Oh well.
> >
> > 72, Gary -K8KFJ-
> >

```
> >
> > -----
> > Do you Yahoo!?
> > Yahoo! Hotjobs: Enter the "Signing Bonus"
> > Sweepstakes
> > http://hotjobs.sweepstakes.yahoo.com/signingbonus
>
>
> -----
> Do you Yahoo!?
> Yahoo! Hotjobs: Enter the "Signing Bonus" Sweepstakes
> http://hotjobs.sweepstakes.yahoo.com/signingbonus
```

```
--- W.D. (Doc) Lindsey
--- dock0evz@earthlink.net
--- EarthLink: The #1 provider of the Real Internet.
```

```
Date: Wed, 21 Jan 2004 23:58:06 -0600
From: "J. Michael Thurman" <jmthurman@centurytel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [166034] RE: OzarkCon 2004
Message-ID: <LFEDLPKPGGKLEMOMICIBMEIIDAAA.jmthurman@centurytel.net>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
```

That's what I get for not attending club meetings!!!! Okay, so Arkiecon is dead. The QRP forums and seeing old friends (I moved 70 miles east almost two years ago) were the highlights of the day. I guess I can run through the hamfest in about two hours and then hang out with the in-laws or just go home and play radio.
:(

73 and thanks for the heads-up,

Michael
WN5T

-----Original Message-----

```
From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
J. Michael Thurman
```

Sent: Wednesday, January 21, 2004 11:27 PM
To: Low Power Amateur Radio Discussion
Subject: RE: OzarkCon 2004

Hmmmm.... Maybe. Arkiecon is the weekend before. All my money will be long gone!!!!

73 & 00,
Michael
WN5T
FP#566

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of w8diz_qrp1_2
Sent: Wednesday, January 21, 2004 2:50 PM
To: Low Power Amateur Radio Discussion
Subject: OzarkCon 2004

Hi gang,

I just reserved a room at the Ramada Inn in Joplin, MO
for OzarkCon-2004 <http://www.ozarkcon.com/>
Both April 9th and 10th (Friday and Saturday nights)
Will be driving down from the Cincinnati area
if someone need a ride.
This looks like it's gonna be a fun time!!!

Any other Flying Pigs going to attend?
My room is a non-smoker with two double beds.
Looking for someone to share expenses.

Oh... I'll bring lots of round hard donuts and AVR DDS kits.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:67 FT Vertical Dipole <http://kitsandparts.com>

Date: Wed, 21 Jan 2004 22:12:27 -0800 (PST)

From: Tom Severt <n2uhc@yahoo.com>
To: jmthurman@centurytel.net,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [166035] RE: OzarkCon 2004
Message-ID: <20040122061227.19824.qmail@web9602.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- "J. Michael Thurman" <jmthurman@centurytel.net>
wrote:
> Hmmm.... Maybe. Arkiecon is the weekend before.
> All my money will be long
> gone!!!!
>
>

I thought Arkiecon was no more?

=====
Tom Severt N2UHC
Frontenac, KS
<http://www.geocities.com/n2uhc>

Do you Yahoo!?
Yahoo! SiteBuilder - Free web site building tool. Try it!
<http://webhosting.yahoo.com/ps/sb/>

Date: Thu, 22 Jan 2004 01:00:37 -0600 (CST)
From: Dale Botkin <dale@botkin.org>
To: Brent Sutphin WB4X <bsutphin@triad.rr.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [166036] Re: Light Weight Paddle
Message-ID: <Pine.LNX.4.33.0401220058420.15186-1000000@madmax.botkin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 21 Jan 2004, Brent Sutphin WB4X wrote:

> I am interested in finding a light weight paddle to use in the Spartan
> Sprints. I am trying to put together a station for the Skinny Division.

I have a Whiterook MK-65 -- modified, of course, with my own keyer chip.
Anyway, if you don't mind having to anchor it down and not having any

adjustment range, it's a pretty lightweight and pretty rugged little paddle. I can toss it in my suitcase and not worry about breaking it or knocking it out of alignment.

72,

Dale - n0xas

--

It's a thankless job, but I've got a lot of Karma to burn off.

NEW PicoKeyer version with pot AND paddle control coming!

Check <http://www.hamgadgets.com> for news.

Date: Thu, 22 Jan 2004 09:28:18 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: <w5yr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [166037] Re: Performance of end-fed half-wave antennas
Message-ID: <Law15-DAV15SS2rpKkV00013905@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, January 22, 2004 3:34 AM
Subject: Re: Performance of end-fed half-wave antennas

> Jason, contact Roy Lewallen W7EL - he advertises in QST - and download a
> free demo copy of EZNEC 3.0. With that program you can find the answer to
> all your questions. Not trying to avoid helping you, but there is a lot
more
> to coming up with the answers you are looking for than just knowing the
> lengths of the wires.
>

MMANA is very good, free, and quite easy to use:

<http://www.qsl.net/mmhamsoft/mmana/>

NEC-2 is available via the same web site.

73, Leon

--

Leon Heller, G1HSM

Email: aqzfl3@dsl.pipex.com

My low-cost Philips LPC210x ARM development system:

http://www.geocities.com/leon_heller/lpc2104.html

Date: Thu, 22 Jan 2004 05:14:50 -0700

From: "Rod N0RC" <rc7039-hr@yahoo.com>

To: "Brent Sutphin WB4X" <bsutphin@triad.rr.com>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [166038] Re: Light Weight Paddle

Message-ID: <005201c3e0e1\$563fc8b0\$6401a8c0@greyrock>

MIME-Version: 1.0

Content-Type: text/plain;

charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Brent,

Three possibilities I can offer for your consideration:

Whiterook Pocket Mini-Keys

<http://electronicsusa.com/mk.html>

Porta-Paddle from American Morse

<http://www.americanmorse.com/portapaddle.htm>

Paddlette Co.

<http://www.paddlette.com/>

The BP or PK1 from Paddlette will be the lightest choice ~1 oz.

GL.

73, Rod N0RC

----- Original Message -----

From: "Brent Sutphin WB4X" <bsutphin@triad.rr.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, January 21, 2004 8:18 PM
Subject: Light Weight Paddle

> I am interested in finding a light weight paddle to use in the Spartan
> Sprints. I am trying to put together a station for the Skinny
Division.
...

Date: Thu, 22 Jan 2004 06:29:49 -0600
From: "Nick Kennedy" <wa5bdu@tcainternet.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [166039] RE: [qrp-1] Re: Help with Homebrew QRP Transmitter
Message-ID: <002101c3e0e3\$6d5e23f0\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Let me take a shot too. Try a double check on the O'Scope by measuring
the power again with a diode & cap RF probe (see EMRFD again).

Your 260 ma final amp current suggests 3+ watts in, and 60% or more
efficiency should be reasonable. So your 800 mw output does seem low.

72--Nick, WA5BDU

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf
Of James R. Duffey

Steve - I didn't see any replies to your queries on your problems with
the EMRFD QRP power amplifier, so I thought I would take a stab at it. I
assume that this is the amplifier in Figure 1.35.

You aren't too far off, so the problem can't be too bad. I hope that
this helps. - Dr. Megacycle KK6MC/5 _____ James R.
Duffey KK6MC/5 Cedar Crest NM 87008 DM65

Date: Thu, 22 Jan 2004 07:34:50 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <rjohnson390@comcast.net>, <n4xy@earthlink.net>
Subject: [166040] Re: Terrific SMT protoboard
Message-ID: <003e01c3e0e4\$2110a490\$090044c0@BrianBoru>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rich

The OnePas board appears to only support DIP and SOIC parts ... the pads aren't close together enough for the TSSOP package. Their little special pads for SOTs are kind of neat, though. This is the problem with the SurfBoards, too.

<http://protoboards.theshoppe.com/> does have some protoboards that do support TSSOP, although they seem a bit elaborate for my taste. I haven't actually laid my hands on one of these so I can't say what sort of quality you could expect.

At the Michigan Convention in Holland a couple months ago I picked up some protoboards from Far Circuits that seem to be just perfect, but I can't find them in their online catalog. At the show, however, they had boards for TSSOP28, TSSOP44 and SOT20. Might warrant an email to them.

Far Circuits does have a board to put together the 9850 VFO from the handbook. All that's on it is the 9850, oscillator, PIC and filter, so it's not a real complicated thing. The board quality is quite low, however. For some reason, their protoboard seems to be a much higher quality board.

Another possibility is the NJQRP Daughtercard. This comes with parts (except for the 9850), so it may be a bit of overkill for you, but it basically includes the parts you are going to want anyway (oscillator, power, filter, amp) so if your design is for a different controller, you're still not way off.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----
From: "Rich Johnson" <rjohnson390@comcast.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, January 21, 2004 11:14 PM
Subject: Re: Terrific SMT protoboard

> Do you know if the board can handle the AD9850?
> cheers,
> rich
>

Date: Thu, 22 Jan 2004 07:54:28 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: kc4atu@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [166041] Re: qrp rigs
Message-ID: <400FC804.76C3DA9D@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill,

Nice thought, but I wonder. We have three currently imported 5 watt rigs these days. One from Yaesu and two from Icom. They are selling well enough to probably inspire Kenwood to bring one in.

But, although it would be nice to see their entire lines imported, would there really be any market? All the rigs use ALC, and most of them are much larger than the current three.

Almost no one is going to use an IC780 as a pack station. Even with a QRP size power supply substituted it would still be one large, awkward beast to carry around.

And the substitution of the power supply would cause significant production problems. The economy of the IC703, for example, is that it is exactly the same in the Home Market version as it is in the Export version. Only the paperwork changes, and the address on the box.

Since they all use ALC, why not turn the ALC up and have essentially the same rig in a 5 watt version? Yes, I know, it draws a lot of power. But there is a lot more radio there.

Or, maybe the export regulations either have been changed or can be

changed to allow wealthy Americans and others, to visit Japan and bring home a souvenir!

Bruce

>
> Hopefully, after the success of the 817, more of the lower power rigs will
> be exported.
>

Date: Thu, 22 Jan 2004 08:44:43 -0500
From: "Ken Newman" <n2cq@dandy.net>
To: "List QRP-Canada" <qrp-canada@neale.gpfn.sk.ca>,
"K8NI Norm Into" <normk8ni@neo.rr.com>,
Subject: [166042] [CONTEST] N2CQ QRP Contest Calendar Jan 24-31, 2004
Message-ID: <016a01c3e0ed\$e8526210\$48eb80d1@kensdell>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

~~~~~  
N2CQ QRP CALENDAR  
JANUARY 24-31, 2004  
~~~~~

40 METER FOXHUNT - Wednesday 0200z to 0400z (Tue eve USA)
Info: <http://www.cqc.org>

Truffle Hunt - 30 min before Fox Hunt
Info: http://fpqrp.com/pig_hunt.html
~~~~~

CQ WW 160-Meter DX Contest (CW) ... QRP Category  
Jan 24, 0000z to Jan 25, 2359z  
Rules: <http://www.cq-amateur-radio.com/awards.html>  
~~~~~

UBA DX Contest (Belgian) (SSB) ... QRP Category
Jan 31, 1300z to Feb 1, 1300z
Rules: <http://www.uba.be>
~~~~~

North American Sprint (CW) ... QRP Category  
Feb 1, 0000z to 0400z  
Rules: <http://www.ncjweb.com/sprintrules.php>  
~~~~~

Thanks to SM3CER, WA7BNM, N0AX(ARRL) and others
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and we will post it and give it more publicity.

Anyone may use this "N2CQ QRP Contest Calendar" for your website, newsletter, e-mail list or other media as you choose.

(Include a credit to the source of this material of course.)

72 de

Ken Newman - N2CQ

N2CQ@ARRL.NET

<http://www.amqrp.org/contesting/contesting.html>

<http://www.n3epa.org/Pages/Contest/contest.htm>

Date: Thu, 22 Jan 2004 08:55:30 -0500

From: "Paul J Mackanos, Jr." <paul@prohomeinspector.net>

To: <qrp-1@Lehigh.EDU>

Subject: [166043] Contest 1/17 & 1/18 ?

Message-ID: <PNEKINNJBMIILABIMJBGAIEHNCKAA.paul@prohomeinspector.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I worked a few guys on 1/17 & 1/18 on 20 cw around 14.060 + & - .
The reports exchanged were rst-state-power. What contest was it, and where
do I send in my small log.

Paul K2DB

Date: Thu, 22 Jan 2004 09:04:44 -0500

From: "E. Roswell" <eroswell@monmouth.com>

To: qrp-1@Lehigh.EDU

Subject: [166044] Re: Light Weight Paddle

Message-ID: <400FD87C.40209@monmouth.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

At the local Office Max, I bought some of those adhesive-backed magnetic cards that are meant to be backing for business cards - cut it to the Whiterook key size & stuck it to the bottom of my MK-33 key. That holds it to the top of the radio chassis (if ferrous) or anything else that can be used. I stuck a

whole card to a mouse pad, and that is a lightweight surface for it to adhere to.
Ed, K2MGM

Date: Thu, 22 Jan 2004 08:06:18 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [166045] ArkieCon moved to OzarkCon
Message-ID: <3.0.2.32.20040122080618.0083aa00@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to Jay, W5JAY, and all the folks at Ft Smith, AR for the great ArkieCon events.

The AmQRP club announced the transfer of all the fun to Joplin, MO supported by the 4SQRP club.

Long live OzarkCon!

<http://www.ozarkcon.com/>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

Date: Thu, 22 Jan 2004 09:19:47 -0500
From: "John" <johndorson@worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [166046] FS: Vibroplex Iambic Paddle
Message-ID: <000201c3e0f3\$00356580\$d6a9f243@ATHOME>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is the standard model, number 46202 with gray base. In excellent condition.

Asking \$100.00 shipped in con-USA only.

Thanks.
John K2JHU...

Melbourne Beach, FL
South Island Real Estate
johndorson@worldshare.net

Date: Thu, 22 Jan 2004 06:32:23 -0800 (PST)
From: Lloyd Lachow <llachow@yahoo.com>
To: dale@botkin.org,
 Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [166047] Re: Light Weight Paddle
Message-ID: <20040122143223.53655.qmail@web41008.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I use either a Paddlette, which fits on my K1, or a
Te-Ne-Key. Both excellent to use with a small amount
of getting used to their action.

LL

Do you Yahoo!?
Yahoo! SiteBuilder - Free web site building tool. Try it!
<http://webhosting.yahoo.com/ps/sb/>

Date: Thu, 22 Jan 2004 09:56:19 -0500
From: "Paul J Mackanos, Jr." <paul@prohomeinspector.net>
To: <qrp-l@Lehigh.EDU>
Subject: [166048] Re: Contest 1/17
Message-ID: <PNEKINNJBIMILABIMJBGAAEHPCKAA.paul@prohomeinspector.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the replies, I sent my big log, 4 contacts to the MI QRP Club
72 de Paul K2DB

Date: Thu, 22 Jan 2004 09:07:54 -0600
From: Karl Heimbach <kheimbach@ev1.net>
To: forsale-swap@mailman.qth.net, qrp-l@Lehigh.EDU
Subject: [166049] Ten-Tec Shortwave Receiver for sale

Message-ID: <5.1.0.14.2.20040122090616.00b1b860@mail.ev1.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Selling my T-Kit Model 1253 regenerative receiver. Works perfectly. \$60 shipped CONUS.
Please see <http://users2.ev1.net/~kheimbach/W5QJ.htm> for details.

Thanks,

Karl - W5QJ

Date: Thu, 22 Jan 2004 09:28:31 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: llachow@yahoo.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [166050] Re: Light Weight Paddle [Micro Te-Ne-Key]
Message-ID: <3.0.2.32.20040122092831.00843100@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Lloyds message reminded me.

At ArkieCon I picked up one of KK5PY's Micro Te-Ne-Keys. The whole thing, cord and all, fits in a film can and weighs only one-half ounce. With a little practice, it works quite well. I also have one that is a little larger than the micro version but it has a metal base and weighs more (2.5 oz). The "full-size" version from KK5PY weighs several ounces more.

Do a google search on KK5PY to find more info on his keys.

At 06:32 AM 01/22/2004 -0800, Lloyd Lachow wrote:
> I use either a Paddlette, which fits on my K1, or a
>Te-Ne-Key. Both excellent to use with a small amount
>of getting used to their action.
>
> LL

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57

From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [166052] Re: Antenna Modelling Software Was: Performance of end-fed half-wave antennas
Message-ID: <400FF3C4.C3FBBAE@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Leon Heller wrote:

> MMANA is very good, free, and quite easy to use:

I never tried MMANA. I have to give that a shot soon. I've used EZNEC (demo) for quite a while, and grew quite fond of it (can you say that about software?).

Recently I stumbled upon Arie Voors' comments on an antenna modeling article in a Dutch amateur radio magazine. I decided to try his free products 4nec2 and 4nec2X (3D modeling) and found it quite impressive. You can download it at:

<http://www.qsl.net/wb6tpu/swindex.html>

Some screen images:

http://www.qsl.net/wb6tpu/4nec2_images.html

Here's a screendump of a model run of my (former) delta loop:

<http://www.kr1st.com/screen.gif>

What I really like, besides the pretty pictures, is that you can easily compare radiation patterns of different antennas within the same window. I like to play with the models first before I actually go in the yard and mess with wires. :)

The really cool part....it's free. :)

73,
--Alex KR1ST
<http://www.kr1st.com>

Date: Thu, 22 Jan 2004 11:20:53 EST
From: ARDUJENSKI@aol.com

To: qrp-1@lehigh.edu
Subject: [166053] G4ZPY??
Message-ID: <1db.18e67125.2d415265@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have tried Gordon's website and email and both are not working. I was trying to contact him about key/paddle. I know Gordon was not feeling well this summer. Hope all is well. Anyone have a new email for him?

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Thu, 22 Jan 2004 10:55:05 -0600
From: "Lew Paceley" <lew@paceley.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [166054] Re: Endfed antenna coupler question
Message-ID: <005601c3e108\$7cb795a0\$6501a8c0@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Lee,
To substitute cores you have a couple constraints to meet:

1) The turns ratio (squared) determines the step-up impedance transformation.
Ideally the turns ratio would be identical or at least close.

2) The inductance of the secondary must resonate on 20m with the 20pf-60pf cap.

Since the variable capacitor value is fixed we first want to match the inductance of the toroidal core Steve used. If you go to www.bytemark.com you'll find a bunch of useful toroid data and formulas. Using the ferrite inductance calculation formula with the FT82-63 core and 22 turns gives 4.4uH inductance. Please check my math! Since your cores are generally small I'd use the T130-2. It's a little larger than Steve's FT82-63 but will allow you to use thicker wire (probably 18 gauge) to get a higher Q transformer.

So, looking at the formula on the Bytemark page we calculate the number of turns that will give 4.4uH with our T130-2 (iron) core. I

get 20 turns. Again, please check my math! So our secondary winding that connects across the variable cap has 20 turns.

Now we want to figure out how many turns the primary should be. The impedance transformation will be determined by the square of the turns ratio. Our goal is to match the original turns ratio. The original turns ratio is 2/14. Since our secondary now has 20 turns we have the equation: $p/20=2/14$. The primary should be 2.86 turns. Try 3 turns and if you have any problems matching your antenna take 1 turn off. Optionally, since your variable cap has a 20pF minimum, you could also increase the secondary winding by 1 turn to 21 turns and preserve the exact transformation ratio.

So there you have a good start: primary 3 turns, secondary 20 turns using the T130-2 core. Again, larger wire improves the Q. Don't be afraid to experiment...that's half the fun.

72/73,
Lew
N5ZE

Date: Thu, 22 Jan 2004 10:58:25 -0600
From: Mark Milburn <mark.milburn@ispwest.com>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [166055] Iowa QRP Club CW Net
Message-ID: <40100131.8060003@ispwest.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Good band conditions Wednesday night...at least as compared to the past few weeks. Thanks for sticking with it. The net included:

KQ0I	Mark	Iowa
WA8BXN	Mike	Ohio
NI0I	Tom	South Dakota
WA0ITP	Terry	Iowa
W5USJ	Chuck	Texas
W0UFO	Mert	Minnesota

Sorry for forgetting your call, Mert...I'll know you next time.

72 Mark KQOI
Des Moines, Iowa

Date: Thu, 22 Jan 2004 11:40:59 -0600
From: Karl Heimbach <kheimbach@ev1.net>
To: forsale-swap@mailman.qth.net, qrp-1@Lehigh.EDU
Subject: [166056] Ten-Tec 1253 Shortwave Receiver has been sold
Message-ID: <5.1.0.14.2.20040122113957.00b3d058@mail.ev1.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Thank you for all the responses, but the receiver has been sold.

Karl - W5QJ

Date: Thu, 22 Jan 2004 11:43:18 -0700
From: "Chris Trask" <chistrask@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [166057] A Virus Is Afoot!
Message-ID: <00a101c3e117\$9b852ec0\$ea074bab@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Someone out there may have picked up the WORM_SWEN.A virus recently. I received two messages from an Italian ISP this morning notifying me that it had detected the virus in email with my address. Haven't sent anything to anyone in Italy lately, so it's probably the virus using someone's address book. Not necessarily anyone on this list, but I'm sending this message to the lists that I frequent.

Chris

/ What's all this \
/ extinct stuff, anyhow? /
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High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240

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Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: chistrask@earthlink.net
<http://www.home.earthlink.net/~chistrask>

Graphics by Loek Frederiks

Date: Thu, 22 Jan 2004 12:29:23 -0700
From: "Bob Hightower" <rhightower@cox.net>
To: "Chris Trask" <chistrask@earthlink.net>
Cc: "qrp" <qrp-1@lehigh.edu>
Subject: [166058] Re: A Virus Is Afoot!
Message-ID: <003401c3e11e\$0b706690\$6501a8c0@Bobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Yup, I've gotten emails about undeliverable messages (that I haven't sent) to folks (who aren't in my address book)....looks like someone has gotten into someone's book.

Bob NK7M

----- Original Message -----

From: "Chris Trask" <chistrask@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, January 22, 2004 11:43 AM
Subject: A Virus Is Afoot!

> Someone out there may have picked up the WORM_SWEN.A virus recently.
I
> received two messages from an Italian ISP this morning notifying me that
it
> had detected the virus in email with my address. Haven't sent anything to
> anyone in Italy lately, so it's probably the virus using someone's address
> book. Not necessarily anyone on this list, but I'm sending this message
to

The Permit has been recalled.

Thanks agn,
Tom aa2vk

Date: Thu, 22 Jan 2004 15:36:18 -0500
From: "JBCrafts" <jbcraft@adelphia.net>
To: <tjmc@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [166060] RE: Park Fee permit canceled!! :)
Message-ID: <AGEJJBFPLHMOECFDINOKELHELAA.jbcraft@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

so, there is hope for NY State after all.

K8YS

Date: Thu, 22 Jan 2004 12:38:30 -0800
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L <qrp-l@lehigh.edu>, noga <nogaqrp@mailman.qth.net>
Subject: [166061] Flexible Screen Technology Ready To Roll
Message-ID: <6.0.1.1.2.20040122123705.01d5ae68@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Source: University Of Toronto
Date: 2004-01-21

Flexible Screen Technology Ready To Roll

In the future, powering up your laptop may require that you unroll it first.

Engineers at the University of Toronto are the first Canadian team to

construct flexible organic light emitting devices (FOLEDs), technology that could lay the groundwork for future generations of bendable television, computer and cellphone screens. "It opens up a whole new range of possibilities for the future," says Zheng-Hong Lu, a professor in U of T's Department of Materials Science and Engineering. "Imagine a room with electronic wallpaper programmed to display a series of Van Gogh paintings, or a reusable electronic newspaper that could download and display the day's news and be rolled up after use."

Today's flat panel displays are made on heavy, inflexible glass that can break during transportation and installation. Lu, working with post-doctoral fellow Sijin Han and engineering science student Brian Fung, developed FOLEDs made on a variety of lightweight, flexible materials ranging from transparent plastic films to reflective metal foils that can bend or roll into any shape.

FOLED technology could be manufactured using a low-cost, high-efficiency mass production method, Lu says. The team, which is already commercializing some related technology, hopes a marketable device could be created within two to three years.

Their research was funded by the Canadian Foundation for Innovation, the Ontario Innovation Trust, the Premier's Research Excellence Awards, Materials and Manufacturing Ontario, the Emerging Materials Network and the Ontario Research and Development Challenge Fund.

To view a video of the flexible substrate, see:
http://www.nit.utoronto.ca/news/03_foled.avi.

Editor's Note: The original news release can be found [here](#).

This story has been adapted from a news release issued by University Of Toronto.

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".

--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."

--Mark Twain

Date: Thu, 22 Jan 2004 16:15:29 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Chris Trask <chistrask@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [166062] Re: A Virus Is Afoot!
Message-ID: <40103D71.BAF096E1@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chris,

I have been getting undeliverable mail messages from the Digital Radio
list for about 3 weeks. Funny thing is I'm not a list member! My virus
software has detected the W32 worm twice in the last two days too. I
have simply deleted these messages without looking at addresses.

73

>
>
> Someone out there may have picked up the WORM_SWEN.A virus recently. I
> received two messages from an Italian ISP this morning notifying me that it
> had detected the virus in email with my address. Haven't sent anything to
> anyone in Italy lately, so it's probably the virus using someone's address
> book. Not necessarily anyone on this list, but I'm sending this message to
> the lists that I frequent.

>

> Chris

>

> ,-----.
> / What's all this \ High Performance Mixers and
> / extinct stuff, anyhow? / Amplifiers for RF Communications

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Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: chistrask@earthlink.net
<http://www.home.earthlink.net/~chistrask>

Graphics by Loek Frederiks

```

-----
Date: Thu, 22 Jan 2004 15:37:38 -0600
From: Michael Goins <mgoins@usa.net>
To: <w6toy@erols.com>,
    "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [166063] Re: [Re: A Virus Is Afoot!]
Message-ID: <743iaVVlM2416S17.1074807458@uwdvg017.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

```

Same old, same old, guys. We all get them when someone has us in their email file or we are in an email file that has been harvested somewhere (and it is then infected). Ignore them and they'll eventually go away - until the next worm/virus/whatever comes along.

mike
k5wmg

Bruce Muscolino <w6toy@erols.com> wrote:

Chris,

I have been getting undeliverable mail messages from the Digital Radio list for about 3 weeks. Funny thing is I'm not a list member! My virus software has detected the W32 worm twice in the last two days too. I have simply deleted these messages without looking at addresses.

half-waveantennas
Message-ID: <401041EF.1B3103D@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alex ,

Just wanted to point out that all should remember that any modelling software is just that, modelling software. The software only gives you a look at the antenna's pattern under ideal conditions. You will never have ideal conditions for your antenna, but it does save on wire!

Bruce

>
> Leon Heller wrote:
>
> > MMANA is very good, free, and quite easy to use:
>
> I never tried MMANA. I have to give that a shot soon. I've used EZNEC
> (demo) for quite a while, and grew quite fond of it (can you say that
> about software?).
>
> Recently I stumbled upon Arie Voors' comments on an antenna modeling
> article in a Dutch amateur radio magazine. I decided to try his free
> products 4nec2 and 4nec2X (3D modeling) and found it quite impressive.
> You can download it at:
>
> <http://www.qsl.net/wb6tpu/swindex.html>
>
> Some screen images:
>
> http://www.qsl.net/wb6tpu/4nec2_images.html
>
> Here's a screendump of a model run of my (former) delta loop:
>
> <http://www.kr1st.com/screen.gif>
>
> What I really like, besides the pretty pictures, is that you can easily
> compare radiation patterns of different antennas within the same window.
> I like to play with the models first before I actually go in the yard
> and mess with wires. :)
>
> The really cool part....it's free. :)
>
> 73,

> --Alex KR1ST
> <http://www.kr1st.com>

Date: Thu, 22 Jan 2004 16:56:39 -0500
From: "Paul Pike" <ve1dy@eudoramail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [166065] Tenna Dipper Question #2 (ic sockets)
Message-ID: <BKBOELANDHHDHLHAA@whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

Is it ok to use good quality low profile ic sockets?

Why are they not recommended for U1 and U2?

Thanks,

72... Paul

Need a new email address that people can remember
Check out the new EudoraMail at
<http://www.eudoramail.com>

Date: Thu, 22 Jan 2004 17:34:56 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [166066] OT: Need help finding a part...
Message-ID: <008401c3e137\$f7769320\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I need help finding a part. It's an audio amp chip that's been discontinued now for about 5 or 6 years. The part is:

uPC1298V

I found some at various European distributors, but shipping would be a real bear! Found one in the US but the place has a \$50

minimum order fee.

Anyone know of a good shop? (It's not a part available from DigiKey. Tried there first!)

Mike

Date: Thu, 22 Jan 2004 17:54:07 -0500
From: "Paul Pike" <ve1dy@eudoramail.com>
To: qrp-l@Lehigh.EDU
Subject: [166067] Re: Light Weight Paddle
Message-ID: <MOEECGAKGJKDLHAA@whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

Hi Brent...

I use a the Palm Mini Paddle for both portable and at home.

It is very light weight and virtually indestructable, especially when in the closed position. The action is supurb!

At home, I have a heavy copper base it snaps on. When portable I prefer to hold it in my left hand, operating the paddles with my right.

You can order magnets with it, which will allow it to stick to your rig. A very good setup.

Also, there is a very small electronic keyer (option) that fits on the back of it.

I think you should check this one out.

<http://mtechnologies.com/palm/>

72, Paul - ve1dy

--

----- Original Message -----

DATE: Wed, 21 Jan 2004 22:18:27
From: "Brent Sutphin WB4X" <bsutphin@triad.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Cc:

>I am interested in finding a light weight paddle to use in the Spartan
>Sprints. I am trying to put together a station for the Skinny Division.
>Even though I have some small stuff, I am finding out how difficult it is to
>stay skinny. Going by last months results, looks like I will need to try
>and get down to around 1/2 pound total weight for the station. This is not
>going to be easy. Any help or suggestions very much appreciated.

>

>Thanks

>Brent WB4X

>

>

>

Need a new email address that people can remember
Check out the new EudoraMail at
<http://www.eudoramail.com>

Date: Thu, 22 Jan 2004 22:57:33 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [166068] Re: Need help finding a part...
Message-ID: <Law15-DAV39LYCT4aJ600018bcf@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Leon Heller, G1HSM
Email: aqzfl3@dsl.pipex.com
My low-cost Philips LPC210x ARM development system:
http://www.geocities.com/leon_heller/lpc2104.html

----- Original Message -----

From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, January 22, 2004 10:34 PM
Subject: OT: Need help finding a part...

> I need help finding a part. It's an audio amp chip that's been

> discontinued now for about 5 or 6 years. The part is:
>
> uPC1298V
>
> I found some at various European distributors, but shipping would
> be a real bear! Found one in the US but the place has a \$50
> minimum order fee.
>
> Anyone know of a good shop? (It's not a part available from
> DigiKey. Tried there first!)

Mouser have what is claimed to be an equivalent part in stock for \$9.39:
NTE7103

I use FindChips for this sort of search (<http://www.findchips.com/avail>),
although the companies are all in the US and mostly not very useful for me,
apart from Digikey.

73, Leon

--

Leon Heller, G1HSM

Email: aqzf13@dsl.pipex.com

My low-cost Philips LPC210x ARM development system:

http://www.geocities.com/leon_heller/lpc2104.html

End of QRP-L Digest 3173

